

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V96300958
Input Device: Carousel
Setup Bead Position: 1
Cytometer Configuration: Canto II Config 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0
Date: 04/16/2018 09:26 AM
Cytometer Baseline: 10/23/2017 09:39 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 70106 **Expiration Date:** 01/31/2018 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124853	-1	0.94	125020	0.93
Blue	F	SSC	125000	125011	0	2.15	126094	2.13
Blue	E	FITC	18535	17936	-4	2.46	490	16.07
Blue	D	PE	29708	28902	-3	1.83	779	11.27
Blue	B	PE-Cy5	70430	68878	-3	3.33	1616	16.72
Blue	A	PE-Cy7	70607	69241	-2	5.30	970	25.75
Red	C	APC	76673	76505	-1	2.71	2441	11.29
Red	A	APC-Cy7	78803	77360	-2	4.90	1473	11.17
Violet	B	DAPI	11434	11136	-3	2.21	801	10.56
Violet	A	AmCyan	43596	43273	-1	1.81	1260	9.86

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18585	4.43	533	-3	N/A	N/A	Pass
Blue	F	SSC	58260	2.01	382	-3	N/A	N/A	Pass
Blue	E	FITC	71	66.24	436	-4	0.0286	246	Pass
Blue	D	PE	132	46.01	470	-3	0.2538	286	Pass
Blue	B	PE-Cy5	247	46.39	608	-1	0.0109	108	Pass
Blue	A	PE-Cy7	154	68.32	633	0	0.0204	14	Pass
Red	C	APC	508	24.97	668	1	0.0242	121	Pass
Red	A	APC-Cy7	254	28.87	517	2	0.0055	1488	Pass
Violet	B	DAPI	98	65.89	441	-1	0.0785	4182	Pass
Violet	A	AmCyan	150	58.59	490	0	0.0298	6721	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.82	47.84 - 71.76	N/A	N/A	-29.95	-29.83	1.21
Blue	20.25	16.21 - 24.31	1.39	1.14 - 1.70	0.00	0.00	1.52
Red	18.21	14.86 - 22.30	N/A	N/A	27.72	28.05	1.34

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9763

Fluidics

FACSFlow Pressure: 4.50 Sample Pressure: 4.40
Spec.: 4.40 - 4.60

Comments